

**Amendment and Response**

Applicant: David C. Collins et al.

Serial No.: 10/821,135

Filed: April 8, 2004

Docket No.: 200400517-1/H301.381.101

Title: GENERATING AND DISPLAYING SPATIALLY OFFSET SUB-FRAMES

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**IN THE SPECIFICATION**

Please replace the paragraph on page 1, line 11 to page 2, line 13 with the following paragraph.

This application is related to U.S. Patent Application Serial No. 10/213,555, filed on August 7, 2002, entitled IMAGE DISPLAY SYSTEM AND METHOD; U.S. Patent Application Serial No. 10/242,195, filed on September 11, 2002, entitled IMAGE DISPLAY SYSTEM AND METHOD; U.S. Patent Application Serial No. 10/242,545, filed on September 11, 2002, entitled IMAGE DISPLAY SYSTEM AND METHOD; U.S. Patent Application Serial No. 10/631,681, filed July 31, 2003, entitled GENERATING AND DISPLAYING SPATIALLY OFFSET SUB-FRAMES; U.S. Patent Application Serial No. 10/632,042, filed July 31, 2003, entitled GENERATING AND DISPLAYING SPATIALLY OFFSET SUB-FRAMES; U.S. Patent Application Serial No. 10/672,845, filed September 26, 2003, entitled GENERATING AND DISPLAYING SPATIALLY OFFSET SUB-FRAMES; U.S. Patent Application Serial No. 10/672,544, filed September 26, 2003, entitled GENERATING AND DISPLAYING SPATIALLY OFFSET SUB-FRAMES; U.S. Patent Application Serial No. 10/697,605, filed October 30, 2003, entitled GENERATING AND DISPLAYING SPATIALLY OFFSET SUB-FRAMES ON A DIAMOND GRID; U.S. Patent Application Serial No. 10/696,888, filed October 30, 2003, entitled GENERATING AND DISPLAYING SPATIALLY OFFSET SUB-FRAMES ON DIFFERENT TYPES OF GRIDS; U.S. Patent Application Serial No. 10/697,830, filed October 30, 2003, entitled IMAGE DISPLAY SYSTEM AND METHOD; U.S. Patent Application Serial No. 10/750,591, filed December 31, 2003, entitled DISPLAYING SPATIALLY OFFSET SUB-FRAMES WITH A DISPLAY DEVICE HAVING A SET OF DEFECTIVE DISPLAY PIXELS; U.S. Patent Application Serial No. 10/768,621, filed January 30, 2004, entitled GENERATING AND DISPLAYING SPATIALLY OFFSET SUB-FRAMES; U.S. Patent Application Serial No. 10/768,215, filed January 30, 2004, entitled DISPLAYING SUB-FRAMES AT SPATIALLY OFFSET POSITIONS

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ON A CIRCLE; U.S. Patent Application Serial No. 10/821,130,  
~~Docket No. 200400519-4~~, filed on the same date as the present application, entitled  
GENERATING AND DISPLAYING SPATIALLY OFFSET SUB-FRAMES; and U.S.  
Patent Application Serial No. 10/820,952, ~~Docket No.~~  
~~200400670-4~~, filed on the same date as the present application, entitled  
GENERATING AND DISPLAYING SPATIALLY OFFSET SUB-FRAMES. Each of  
the above U.S. Patent Applications is assigned to the assignee of the present  
invention, and is hereby incorporated by reference herein.

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Please replace the paragraph on page 36, lines 7-23 with the following paragraph.

When the four sub-frames 1412A, 1422A, 1432A, and 1442A are displayed, nine sub-frame pixels combine to form the displayed representation of each pixel from the original high resolution image 28. For example, nine sub-frame pixels—pixel 1414 from sub-frame 1412A, pixels 1424 and 1426 from sub-frame 1422A, pixels 1434 and 1436 from sub-frame 1432A, and pixels 1444, 1446, 1448, and 1450 from sub-frame 1442A combine to form the displayed representation of pixel 1404 from the original high resolution image 28. These nine sub-frame pixels, however, contribute different amounts of light to the displayed representation of pixel 1404. In particular, pixels 1424, 1426, 1434, and 1436 from sub-frames 1422A and 1432A, respectively, each contribute approximately one-half as much light as pixel 1414 from sub-frame 1412A as illustrated by only a portion of pixels 1424, 1426, 1434, and 1436 overlapping pixel 1404 in Figures 19C and 19D. Similarly, pixels 1444, 1446, 1448, and 1450 from sub-frame 1442A each contribute approximately one-fourth as much light as pixel 1414 from sub-frame 1412A as illustrated by only a portion of pixels 1444, 1446, 1448, and 1450 overlapping pixel 1404 in ~~Figures 19C and 19D~~Figure 19E.